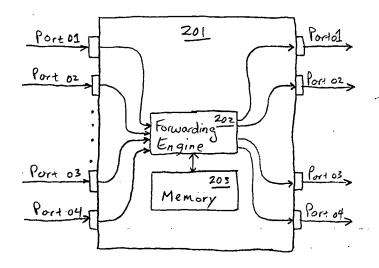


Figure 1



32 bit Input

| 3017 | • |
|--|--------|
| Content Addressable Menory key Result 3027 3037 32 bits | Result |
| | |

Figure 3

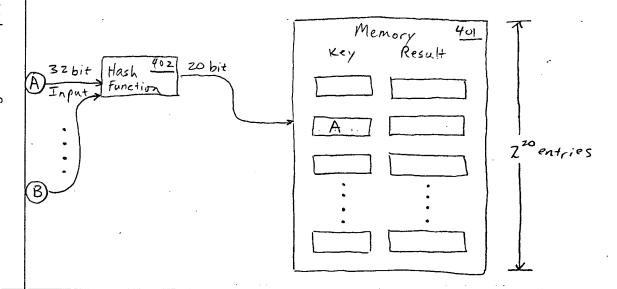


Figure 4

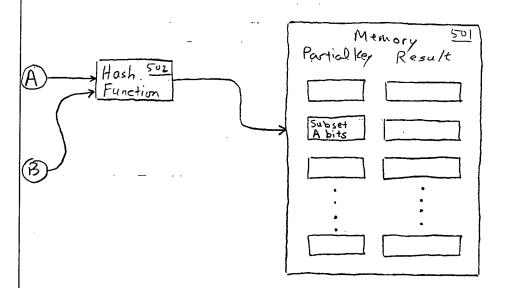


Figure 5

Key = 256 bits Table size = 1M = 20

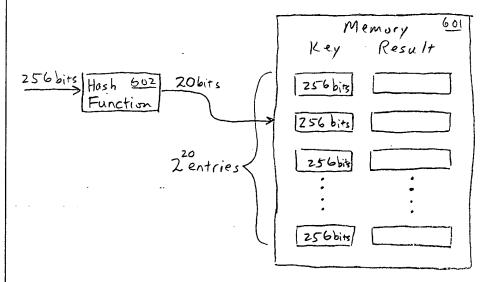


Figure 6A (Prior Art)

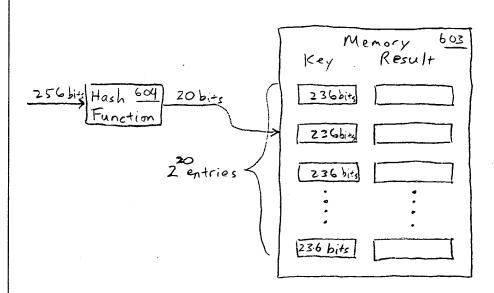


Figure 6B

Key = 64 bits Table Size = 64k = 216

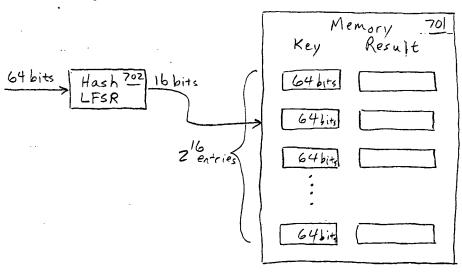


Figure 7A

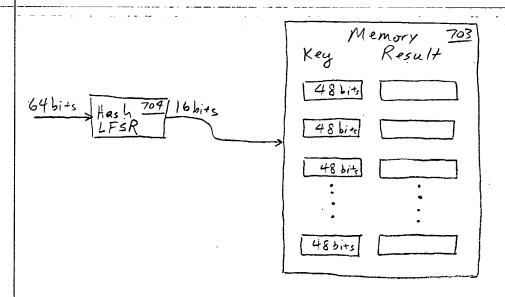


Figure 7B

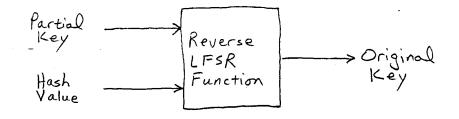


Figure 8